

**NOAA, National Geodetic Survey  
HEIGHT MODERNIZATION COORDINATION MEETING  
DRAFT NOTES  
SSMC3, Room 8836**

Date: Thursday, June 12, 2014  
Time: **2:00-3:30 pm East Coast time**

**Attendees:**

*Call-ins from:* AK (Pat Kalen), CA (John Canas, Kevin Kelly), ID (Rayce Ruiz), IL (Sheena Beaverson), KY (Wolfgang Ziegler), MI (Shawn Roy), MD (Dave Doyle, Renee Shields), NGS (Dan Winester, Vicki Veilleux), PA (John Hamilton), TN (Kim McDonough), Natural Resource Canada (Marc Véronneau)

*Silver Spring:* NGS (Christine Gallagher, Aida Polite, Galen Scott, Vicki Childers, Joe Evjen, Philippe Hensel, Tim Hanson, Heather Nicholson, Zelda Lecoat), CO-OPS (Mike Michalski, Cary Wong)

*Advisors/Coordinators:* Dave Zenk (MN), Denis Riordan (MS), Dave Conner (OH), Cliff Middleton (TX)

**Note:**

It is NGS' habit to only capture names of attendees who speak up at the initial roll call or during the meeting. We respect those who may wish to attend anonymously, but note that 46 people attended the meeting remotely. If you want your name captured in the recorded notes, and you do not see it listed here, email [Christine.Gallagher@noaa.gov](mailto:Christine.Gallagher@noaa.gov), or [ngs.htmod@noaa.gov](mailto:ngs.htmod@noaa.gov).

**1. NGS updates**

- a. **National Height Modernization (Gallagher)** – Thank you to all who participated and contributed to the 2014 HMod Partner Meeting. Nearly all presentations are uploaded and we are currently working on the final summary report: <http://www.ngs.noaa.gov/heightmod/PartnerMeeting2014.shtml>.
- b. **International Great Lakes Datum 2020 (Conner)** – Dave was recently appointed the NGS IGLD 2020 project lead; Dave Rigney is his back-up. The planning for GPS campaign survey in 2015 is underway. This upcoming year, NGS and CO-OPS will be partnering with Canadian partners to begin work. Sheena Beaverson added that there is an opportunity to have IL contractors support the effort, depending on the timing. Dave C will follow-up.
- c. **Geoid Slope Validation Survey (Evjen)** – Geoid Slope Validation Survey (GSVS) field work is now occurring in Iowa through late August.
- d. **Hollings Scholars (Hensel)** – Philippe introduced two NGS Hollings Scholars. Heather Nicholson is a Penn State Surveying and Engineering student completing

a leveling project at the Smithsonian Environmental Research Center. Molly Cain, also from PSU, is completing a study comparing Surface Elevation Tables (SETs) to digital barcode leveling.

## **2. State Updates**

- a. **Illinois (Beaverson)** – wrapping up leveling project along the Mississippi River and appreciate the extra work from NGS to get it completed, even as difficulties have arisen. Janet Holden has identified folks to participate in the Esri map gallery in July.

## **3. Guest Presentations**

### **“The Canadian Geodetic Vertical Datum of 2013 (CGVD2013)”**

Marc Véronneau, Canadian Geodetic Survey, Natural Resources Canada

Natural Resources Canada (NRCan) has released the Canadian Geodetic Vertical Datum of 2013 (CGVD2013), which is now the new reference standard for heights across Canada. This new height reference system is replacing the Canadian Geodetic Vertical Datum of 1928 (CGVD28), which was adopted officially by an Order in Council in 1935. This presentation will review the evolution of the CGVD28 network, highlight the technical advances that made possible the realization of CGVD2013 and summarize the differences users should expect when migrating to the new datum.

Marc Véronneau is the Team Leader of the Gravity and Height Systems Unit at the Canadian Geodetic Survey of Natural Resources Canada. He has been with the Government since 1988 where is focused primarily on vertical positioning, in particular on the development of geoid models and the release of the new vertical datum for Canada. Marc graduated from Université Laval in Quebec City where he received his BSc and MSc in Geodesy in 1986 and 1988, respectively.

## **4. Other Business - none**

**Important Links:** Previous months’ meeting notes and a list of future meeting presentations can be found at: <http://www.ngs.noaa.gov/heightmod/MeetingNotes.shtml>

**Next meeting: July 10, 2014**

**Guest Presentation: TBA**

### **Recent Events**

**April 3, Riverside, CA**-California League of Surveying Organizations Geospatial Symposium

**April 10-12, Tucson, AZ** – Arizona Professional Land Surveyors 2014 Conference

**April 12-16, San Diego, CA** – California Land Surveyors Association / Nevada Association of Land Surveyors 2014 Conference

**April 14-15, San Diego, CA** -FIG North American Young Surveyors Meeting

**April 29-30, 2014, Mobile, AL**- 2014 Height Modernization Partner Meeting

**May 7-8, Las Vegas, NV**- Nevada Geographic Information Society 2014 Symposium

**May 12-16, Richfield, UT**-Utah Geographic Information Council 2014 Conference

### **Upcoming Events**

**July 14-18, 2014, San Diego, CA**- CA ESRI International User Conference

**August 13-17, Ponte Vedra Beach, FL**- Florida Surveying and Mapping Conference

**September 8-11, New Orleans, LA** - GIS-Pro: URISA's 52nd Annual Conference, New Orleans, Louisiana

**September 13-21, Longmont, Colorado**- NACAG14 –North American Comparison of Absolute Gravimeters